(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 7 July 2005 (07.07.2005)

PCT

(10) International Publication Number WO 2005/061718 A1

(51) International Patent Classification⁷: 15/67, 5/10

C12N 15/80,

(21) International Application Number:

PCT/GB2004/005462

(22) International Filing Date:

23 December 2004 (23.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0329681.1

23 December 2003 (23.12.2003) G

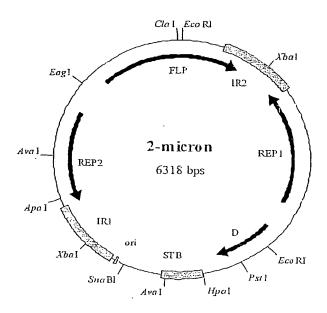
- (71) Applicant (for all designated States except US): DELTA BIOTECHNOLOGY LIMITED [GB/GB]; Castle Court, 59 Castle Boulevard, Nottingham NG7 1FD (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SLEEP, Darrell [GB/GB]; 66 Ladybay Road, West Bridgford, Nottingham NG2 5DS (GB). SHUTTLEWORTH, Gillian [GB/GB]; Flat 1, 24-26, Musters Road, West Bridgford, Nottingham NG2 7PL (GB). FINNIS, Christopher, John, Arthur

[GB/GB]; 74 Harlaxton Drive, Lenton, Nortingham NG7 UB (GB).

- (74) Agent: BASSETT, Richard, Eric Potter Clarkson, Park View House, 58 The Ropewalk, Nottingham NG1 5DD (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): A.E. A.G. A.L., A.M., A.T., A.U., A.Z., B.A., B.B., B.G., B.R., B.W., B.Y., B.Z., C.A., C.H., C.N., C.O., C.R., C.U., C.Z., D.E., D.K., D.M., D.Z., E.C., E.E., E.G., E.S., F.I., G.B., G.D., G.E., G.H., G.M., H.R., H.U., I.D., I.L., I.N., I.S., I.P., K.E., K.G., K.P., K.R., K.Z., L.C., L.K., L.R., L.S., L.T., L.U., L.V., M.A., M.D., M.G., M.K., M.N., M.W., M.X., M.Z., N.A., N.I., N.O., N.Z., O.M., P.G., P.H., P.T., R.O., R.U., S.C., S.D., S.E., S.G., S.K., S.L., S.Y., T.J., T.M., T.N., T.R., T.T., T.Z., U.A., U.G., U.S., U.Z., V.C., V.N., Y.U., Z.A., Z.M., Z.W.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO.

[Continued on next page]

(54) Title: GENE EXPRESSION TECHNIQUE



(57) Abstract: The present invention provides a method for producing heterologous protein comprising: (a) providing a host cell comprising a 2µm-family plasmid, the plasmid comprising a gene encoding a protein comprising the sequence of a chaperone protein and a gene encoding a heterologous protein; (b) culturing the host cell in a culture medium under conditions that allow the expression of the gene encoding the chaperone protein and the gene encoding a heterologous protein; (c) purifying the thus expressed heterologous protein from the cultured host cell or the culture medium.

WO 2005/061718 A1



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.